PATENT LITERATURE

[0004]

Patent Literature 1: Japanese Unexamined Patent Application Publication No. JP-A 2021-033573

SUMMARY

[0004a]

In one example, the present disclosure refers to an image processing apparatus, comprising: an acquiring unit that acquires image data; and a processing unit that performs image processing on a range determined in accordance with a predetermined condition in a region corresponding to a person within the image data acquired by the acquiring unit, the image processing being for hiding information within the range.

[0004b]

In another example, the present disclosure refers to an image processing method by an information processing apparatus, comprising: acquiring image data; and performing image processing on a range determined in accordance with a predetermined condition in a region corresponding to a person within the acquired image data, the image processing being for hiding information within the range.

[0004c]

In yet another example, the present disclosure refers to a non-transitory computer-readable recording medium with a program recorded thereon, the program comprising instructions for causing an information processing apparatus to realize processes to: acquire image data; and perform image processing on a range determined in accordance with a

predetermined condition in a region corresponding to a person within the acquired image data, the image processing being for hiding information within the range.

[0004d]

In one aspect, the present disclosure refers to an image processing apparatus, comprising:

an acquiring unit that acquires image data and information indicating an intended use of the image data;;

a calculating unit that calculates a feature value corresponding to the intended use of the image data indicated by the information indicating the intended use of the image data, on a basis of the image data;

a determining unit that determines a range on which image processing is performed in a region corresponding to a person within the image data, using determination information including a first condition corresponding to the intended use of the image data and a second condition concerning the feature value and corresponding to the first condition, and the feature value calculated by the calculating unit; and

a processing unit that performs, on a range determined by the determining unit, image processing for hiding information within the range, wherein

the determining unit specifies, on a basis of the information indicating the intended use of the image data, the first condition corresponding to the intended use of the image data from among a plurality of first conditions included in the determination information, and determines, on a basis of the feature value calculated by the calculating unit and the second condition corresponding to the specified first condition, a range that can be specified by the feature value

and the second condition within the region corresponding to the person, as the range on which the image processing is performed.

[0004e]

In one aspect, the present disclosure refers to an image processing method by an information processing apparatus, comprising:

acquiring image data and information indicating an intended use of the image data;

calculating a feature value corresponding to the intended use of the image data indicated by the information indicating the intended use of the image data, on a basis of the image data;

determining a range on which image processing is to be performed in a region corresponding to a person within the image data, using determination information including a first condition corresponding to the intended use of the image data and a second condition concerning the feature value and corresponding to the first condition, and the feature value; and

performing, on the range, image processing for hiding information within the range, wherein the method further comprises:

specifying, on a basis of the information indicating the intended use of the image data, the first condition corresponding to the intended use of the image data from among a plurality of first conditions included in the determination information, and

determining, on a basis of the feature value and the second condition corresponding to the specified first condition, a range that can be specified by the feature value and the second condition within the region corresponding to the person, as the range on which the image processing is performed.

[0004f]

In one aspect, the present disclosure refers to a non-transitory computer-readable recording medium with a program recorded thereon, the program comprising instructions for causing an information processing apparatus to realize processes to:

acquire image data and information indicating an intended use of the image data;

calculate a feature value corresponding to the intended use of the image data indicated by the information indicating the intended use of the image data, on a basis of the image data;

determine a range on which image processing is to be performed in a region corresponding to a person within the image data, using determination information including a first condition corresponding to the intended use of the image data and a second condition concerning the feature value and corresponding to the first condition, and the feature value; and

perform, on the range, image processing for hiding information within the range, wherein the instructions further cause the information processing apparatus to realize processes to:

specify, on a basis of the information indicating the intended use of the image data, the first condition corresponding to the intended use of the image data from among a plurality of first conditions included in the determination information, and

determine, on a basis of the feature value and the second condition corresponding to the specified first condition, a range that can be specified by the feature value and the second condition within the region corresponding to the person, as the range on which the image processing is performed.

TECHNICAL PROBLEM

[0005]

Under some conditions, such as the application and content of image data, it may be desired to perform image processing on a region other than a face region. However, in the case of the technique described in Patent Literature 1, it is the only issue whether or not to perform image processing on a face region. Therefore, the problem as described above cannot be addressed. Thus, there is a problem that it may be impossible to perform precise image processing appropriate according to a condition.

[0006]

Accordingly, an object of the present invention is to provide an image processing apparatus, an image processing method, and a recording medium which solve the problem that it may be impossible to perform precise image processing according to a condition.

SOLUTION TO PROBLEM

[0007]

In order to achieve the object, an image processing apparatus as an aspect of the present disclosure includes: an acquiring unit that acquires image data; and a processing unit that performs image processing on a range determined in accordance with a predetermined

CLAIMS

[Claim 1] An image processing apparatus, comprising:

an acquiring unit that acquires image data and information indicating an intended use of the image data;

a calculating unit that calculates a feature value corresponding to the intended use of the image data indicated by the information indicating the intended use of the image data, on a basis of the image data;

a determining unit that determines a range on which image processing is performed in a region corresponding to a person within the image data, using determination information including a first condition corresponding to the intended use of the image data and a second condition concerning the feature value and corresponding to the first condition, and the feature value calculated by the calculating unit; and

a processing unit that performs, on a range determined by the determining unit, image processing for hiding information within the range, wherein

the determining unit specifies, on a basis of the information indicating the intended use of the image data, the first condition corresponding to the intended use of the image data from among a plurality of first conditions included in the determination information, and determines, on a basis of the feature value calculated by the calculating unit and the second condition corresponding to the specified first condition, a range that can be specified by the feature value and the second condition within the region corresponding to the person, as the range on which the image processing is performed.

[Claim 2] The image processing apparatus according to Claim 1,

wherein the determining unit determines the range to be subjected to the image processing for each person within the image data.

[Claim 3] An image processing method by an information processing apparatus, comprising:

acquiring image data and information indicating an intended use of the image data;

calculating a feature value corresponding to the intended use of the image data indicated by the information indicating the intended use of the image data, on a basis of the image data;

determining a range on which image processing is to be performed in a region corresponding to a person within the image data, using determination information including a first condition corresponding to the intended use of the image data and a second condition concerning the feature value and corresponding to the first condition, and the feature value; and

performing, on the range, image processing for hiding information within the range, wherein the method further comprises:

specifying, on a basis of the information indicating the intended use of the image data, the first condition corresponding to the intended use of the image data from among a plurality of first conditions included in the determination information, and

determining, on a basis of the feature value and the second condition corresponding to the specified first condition, a range that can be specified by the feature value and the second condition within the region corresponding to the person, as the range on which the image processing is performed.

[Claim 4] A non-transitory computer-readable recording medium with a program recorded thereon, the program comprising instructions for causing an information processing apparatus to realize processes to:

acquire image data and information indicating an intended use of the image data;

calculate a feature value corresponding to the intended use of the image data indicated by the information indicating the intended use of the image data, on a basis of the image data;

determine a range on which image processing is to be performed in a region corresponding to a person within the image data, using determination information including a first condition corresponding to the intended use of the image data and a second condition concerning the feature value and corresponding to the first condition, and the feature value; and

perform, on the range, image processing for hiding information within the range,

wherein the instructions further cause the information processing apparatus to realize processes to:

specify, on a basis of the information indicating the intended use of the image data, the first condition corresponding to the intended use of the image data from among a plurality of first conditions included in the determination information, and

determine, on a basis of the feature value and the second condition corresponding to the specified first condition, a range that can be specified by the feature value and the second condition within the region corresponding to the person, as the range on which the image processing is performed.